

SAI CHERISH POTLURI

spotlur8@asu.edu | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | 408-207-6017

EDUCATION

Master of Science in Computer Science

May 2023

Arizona State University || Tempe, Arizona

3.7/4.0 GPA

Relevant Coursework: Foundations of Algorithms, Computer Networks, Data Processing at Scale, Mobile Computing, Data Mining, Software Quality Management using Agile Methodologies

Bachelor of Technology in Computer Science

June 2020

Gandhi Institute of Technology and Management || India

8.3/10 GPA

Relevant Coursework: Data Structures & Algorithms, Object Oriented design in Java, Distributed and Multi-tiered Databases, Mathematical Optimization Techniques

WORK EXPERIENCE

Trainee Decision Scientist, Mu Sigma, Bangalore, India

Aug 2020 - Oct 2020

Technology Stack: Python, pandas, NumPy, MS Excel, Tableau, PowerBI

- Collaborated with a team of five to clean, analyze, and visualize a large E-Commerce dataset to come up with an effective inventory policy to balance disparate product demands.
- Utilized KNN clustering to identify high-demand products that need restocking early compared with other products, resulting in a reduction of inventory work and increased productivity.

Intern Software Developer, SmartBridge, Hyderabad, India

Apr 2019 - Jun 2019

Technology Stack: HTML/CSS, Javascript, ReactJS, Python, NumPy, Jupyter

- Designed and developed a fully scalable web application for a mobility service provider which deals with 2 million records of data on average.
- Proposed an algorithm for predicting trip fare amount using XGBoost data model that was trained over a large dataset of 4 million records, producing an accuracy of 80%.

TECHNICAL SKILLS

Languages: C/C++, Java, Python, JavaScript, SQL, Spark, HTML/CSS

Frameworks and Databases: Node.js, Spring, Django, Flask, PostgreSQL, MySQL, DynamoDB, MongoDB

Other Tools: OpenCV, pandas, Git, Linux, Windows, VS Code

PROJECTS

Knowledge Extraction from Context Sensors ([Link](#))

Jun 2022

Technology Stack: Python, Node.js, Android, PyCharm

- Collaborated with a team of five in conceiving and designing an android mobile application that recorded videos and extracted information from them using knowledge recovery algorithm.
- Developed and automated the process of capturing a video, uploading it to the Node.js server and extracting it frame by frame, thus increasing application's speed.
- Predicted the gestures accurately and at a higher pace using the cosine similarity algorithm over a database of Deaf Tec gesture videos.

Web Application Development ([Link](#))

May 2022

Technology Stack : HTML/CSS, Javascript, ReactJS, Node.js, REST API

- Created a full stack web application using ReactJS for forecasting weather information about different parts of the world based on their geographical location.
- Implemented OpenWeatherAPI enabling forecasting of weather data up to 7 days in advance.

Android Application Development

Mar 2020

Technology Stack: AdobeXD, Firebase, XML, Java, Android Studio, Beautiful Soup

- Designed and developed an android app for a student organization of 1200, using a Constraint Layout made it interactive and responsiveness. Utilized web scraping and included dynamic timetables, class schedulers, attendance records features.

ACHIEVEMENTS

AWS Certified Cloud Practitioner ([CLF-01](#))

Aug 2022

- Explored cloud computing concepts, by working on cloud services provided by Amazon such as S3, Lambda, EC2, etc.
- Developed an understanding of Amazon's cloud architecture, its design principles and how cloud computing compares to on-premises.